Title (en)

METHOD AND SYSTEM FOR MANAGING INTERFERENCE IN MULTI TRP SYSTEMS

Title (de)

VERFAHREN UND SYSTEM ZUR VERWALTUNG VON INTERFERENZEN IN MULTI-TRP-SYSTEMEN

Title (fr)

PROCÉDÉ ET SYSTÈME DE GESTION DES INTERFÉRENCES DANS DES SYSTÈMES MULTI TRP

Publication

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Application

EP 19790104 A 20190927

Priority

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Abstract (en)

[origin: WO2020069333A1] Systems and methods for managing interference in a communication network include transmitting a first downlink signal (50) from a first transmit/receive point (TRP) (46) to an electronic device (14) using a beam (62). The electronic device (14) can also receive a second downlink signal (52) from a second TRP (48), where a portion (54) of the first downlink signal (50) from the first TRP (46) interferes with the second downlink signal (52). The first TRP (46) then receives a series of uplink pilot signals (66, 68) from the electronic device (14). Using the received uplink pilot signals (66, 68), the first TRP (46) can then estimate the angle of departure (AoD) for the intended signal (first downlink signal (50)), and the AoD for the interference signal (54). The first TRP (46) can then reconfigure the beam (62) used to transmit the first downlink signal (50) based on the estimated AoDs for the intended signal and interference signal to manage the interference effect that the first leakage signal (54) has on the second downlink signal (52).

IPC 8 full level

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CPC (source: EP US)

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